

- \* SWBAT differentiate between mass, weight, and volume
- \* SWBAT observe the tendencies of objects

Sep 6-2:31 PM

# Welcome!!!

H. Leslie Grebe

- \* Sign in
- \* Pick up:
  - slip of paper (for later)



## Opening Activity:

What would happen if you dropped a bag of peanuts while cruising in a jet plane? What does this have to do with INERTIA???

- See what someone near you thinks...

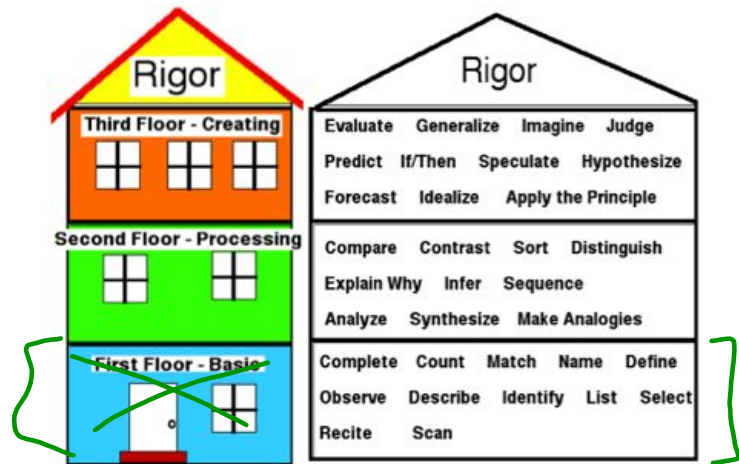
Centering...

Sep 7-7:04 AM

CP - look at your notes and any left-column questions you've written

On an index card,  
write a 2nd or 3rd  
level question for  
our next test

- name



...hand back work

Sep 26-8:48 AM

Eureka Mass <https://www.youtube.com/watch?v=o5mL2Y2WNDs>

Centering...

Mass:

"measure of inertia"

Just a number (size)

Kilograms (kg)

**SAME** on moon

Weight:

"force due to gravity"

Vector (size & direction) **DOWN**

Newtons (N) or pounds

**Different** on moon

Sep 21-2:13 PM

## NEWTON'S 1<sup>ST</sup> LAW:

- MATTER** { Objects at rest tend to stay at rest.  
Objects in motion tend to stay in motion.

**INERTIA** is the name for the tendency of matter to resist changes.

- Airplane peanuts
- Deck of cards in the car
- Tossing a ball on a train

Horizontal: sideways / side to side

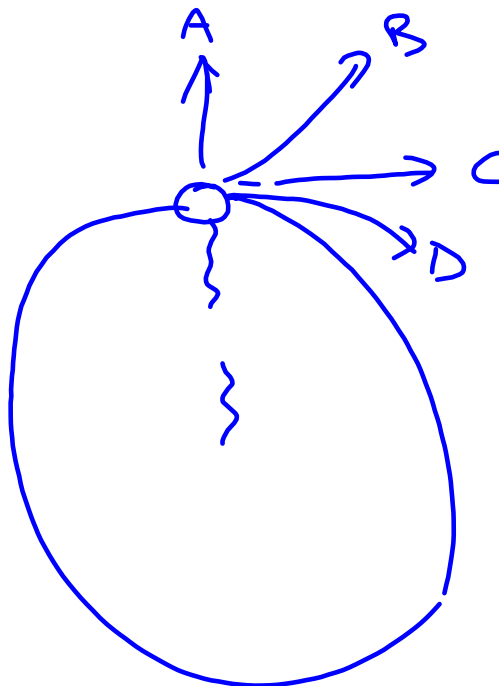
directly related: if one goes up,  
so does the other

inversely related: if one goes up,  
the other goes down

What about Equilibrium???

Worksheet practice...

Sep 20-1:38 PM



Sep 26-10:17 AM

**Daily 3 Questions****CP Homework - none!**

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

**You can't get your points if you don't have your NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. \_\_\_\_\_ is related to the gravitational force acting on an object.

- A. Mass
- B. Weight
- C. Volume

2. An astronaut in outer space away from gravitational and frictional forces throws a rock. The rock will

- A. Gradually slow to a stop
- B. Continue moving in a straight line at constant speed
- C. None of the above

3. If Leslie is in a vehicle moving in a straight line at a constant speed and drops a pencil, it will land

- A. a ways behind her
- B. at her feet below her hand
- C. a ways in front of her

Sep 14-7:28 AM